

ANSWERS: Polymers

<p>1) i)</p> $\left[\begin{array}{cc} \text{F} & \text{F} \\ & \\ -\text{C} & -\text{C}- \\ & \\ \text{F} & \text{F} \end{array} \right]_n$	<p>ii)</p> $\begin{array}{cc} \text{H} & \text{Cl} \\ & \\ \text{C} & = \text{C} \\ & \\ \text{CH}_2\text{CH}_3 & \text{Cl} \end{array}$
<p>2)</p> $\begin{array}{cccc} \text{C}_2\text{H}_5 & \text{H} & \text{C}_2\text{H}_5 & \text{H} \\ & & & \\ -\text{C} & - & \text{C} & - \\ & & & \\ \text{H} & & \text{H} & \end{array}$	<p>3)</p> $\begin{array}{ccc} \text{H} & & \text{H} \\ & \diagdown & / \\ & \text{C} = \text{C} & \\ & / & \diagdown \\ \text{H} & & \text{CH}_3 \end{array}$
<p>4)</p> $\begin{array}{cccccc} \text{H} & \text{OH} & \text{H} & \text{OH} & \text{H} & \text{OH} \\ & & & & & \\ -\text{C} & - & \text{C} & - & \text{C} & - \\ & & & & & \\ \text{H} & & \text{H} & & \text{H} & \end{array}$	<p>5)</p> $\begin{array}{cccccc} \text{CH}_3 & \text{CH}_3 & \text{CH}_3 & \text{CH}_3 & \text{CH}_3 & \text{CH}_3 \\ & & & & & \\ -\text{C} & - & \text{C} & - & \text{C} & - \\ & & & & & \\ \text{H} & & \text{H} & & \text{H} & \end{array}$
<p>6)</p> $\begin{array}{cc} \text{F} & \text{F} \\ & \\ \text{C} & = \text{C} \\ & \\ \text{F} & \text{F} \end{array}$	<p>7)</p> $\begin{array}{c} \text{CH}=\text{CH}_2 \\ \\ \text{Cl} \end{array}$
<p>8) monomer:</p> $\begin{array}{c} \text{CH}=\text{CH}_2 \\ \\ \text{OH} \end{array}$	<p>polymer</p> $\begin{array}{cccc} \text{CH}_3 & \text{H} & \text{CH}_3 & \text{H} \\ & & & \\ -\text{C} & - & \text{C} & - \\ & & & \\ \text{CH}_3 & \text{H} & \text{CH}_3 & \text{H} \end{array}$
<p>9)</p> $\begin{array}{c} \text{HC}=\text{CH}_2 \\ \\ \text{CH}_3 \end{array}$	$\begin{array}{c} \text{HC}=\text{CH}_2 \\ \\ \text{Cl} \end{array}$